### PATENT COOPERATION TREATY

INTERNATIONAL SEARCHING AUTHORITY  To: DANIEL J. LONG BAE SYSTEMS INFORMATION AND ELECTRONIC		PCT			
SYSTEMS INTEGRATION INC. 65 SPIT BROOK ROAD NASHUA, NH 03060				WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY	
					(PCT Rule 43bis.1)
				Date of mailing (day/month/year	18 MAY 2007
	or agent's file	reference		FOR FURTHE	RACTION
20040136 P					See paragraph 2 below
	al application No	Э.	International filing date	•	Priority date (day/month/year)
PCT/US05/		ication (IPC) o	10 November 2005 (10.1 r both national classificati	1.2005)	10 November 2004 (10.11.2004)
	04B 1/38( 2006		t both hational classifican	on and IPC	
USPC: 45	55/90.1	.01)			
Applicant					
BAE SYST	EMS INFORM	ATION AND	ELECTRONIC SYSTEM	S INTEGRATION	INC.
1. This op	inion contains is	ndications rela	ting to the following items	3:	
<u> </u>	Box No. I	Basis of the	_		
	Box No. II	Priority	•		•
				•	
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial a			entive step and industrial applicability		
Box No. IV Lack of unity of invention			of invention		
Box No. V  Reasoned statement under Rule 43bis. 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				to novelty, inventive step or industrial statement	
F	Box No. VI	Certain docum	ments cited		
E	Box No. VII	Certain defec	ts in the international appl	ication	
	Box No. VIII		vations on the internationa		•
2. FURTI	HER ACTION	J	•		
If a dem Internation Authority	and for international Preliminar y other than this	tional preliming y Examining s one to be the	Authority ("IPEA") exc	ept that this does	be considered to be a written opinion of the not apply where the applicant chooses an te International Bureau under Rule 66.1 bis(b) ered.
II LITE A V	PCT/ISA/220 or	before the exp	ppropriate, with amendments from piration of 22 months from	ents before the ev	PEA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.
	er options, see F	orm PCT/ISA	/220.		
For furth			CTT NO. 4 than		
For furth	er details, see no	otes to Form Po	J1/ISA/220,		
For furthers.  3. For furthers ame and ma	uling address of	the ISA/ US		n of this opinion	Authorized officer
For further  3. For further  ame and ma	tiling address of Stop PCT, Attn: 1	the ISA/ US	Date of completion		
For further  3. For further  ame and main Mail Com P.O.	uling address of	the ISA/ US ISA/US ents			Authorized officer  George Englacqueline A. Whitfield  Special Project Asst. Telephone No. 571-272-2600

International	application 1	No.

PCT/US05/40876

BUX I	NO. 1 Basis of this opinion
1. With	regard to the language, this opinion has been established on the basis of:
	the international application in the language in which it was filed
	a translation of the international application into
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With inver	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nation, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	on paper
	in electronic form
c.	time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in electronic form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additio	onal comments:
	·
m PCT/I	SA/237(Box No. I) (April 2005)

International application No. PCT/US05/40876

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement					
Novelty (N)	Claims Claims				YES
Inventive step (IS)		NONE			YES
•	Claims	1-20			NO
Industrial applicability (IA)	Claims Claims				YES NO
2. Citations and explanations:					
Please See Continuation Sheet					
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					-
PCT/ISA/237 (Boy No. V) (April 2005)					

International application No. PCT/US05/40876

Supplemental Box	
In case the space in any of the preceding boxes is not sufficient.	•

V. 2. Citations and Explanations:

Claims 1, 5-6, 8-10, 14, 16-19 lack an inventive step under PCT Article 33(3) as being obvious over Grajales et al. (US 2003/0214408 hereinafter Grajales) in view of Yang (US 2004/0185902).

Regarding claims 1, 10, 14, and 19, Grajales et al. (US 2003/0214408) discloses apparel having multiple alternative sensors (title). In the scope of the invention, a processing and evaluation unit (module) serves to receive sensor inputs from various sensors (coupling sensor data to module) (page 3, paragraph 29). In an exemplary embodiment, the processing and evaluation unit is integrated in a hand-held two-way radio that includes an appropriate transceiver, which transmits the sensor data to another radio unit (node) mounted in a nearby vehicle or as provided in a distant communications facility such as a public safety dispatch communications center (means at a node for downloading sensor data) (page 5, paragraph 48).

However, Grajales et al. does not explicitly disclose that the processing and evaluation unit is capable of converting audio information from the transceiver to the format and frequency of the temporary incident network. Yang (US 2004/0185902) discloses a combined and standalone hand held mobile communications system (title). In the scope of the invention, a main unit (transceiver) is coupled to an input/output interface (module) (figure I, items 100, 200). The input/output interface allows the main unit to communicate with another communication system (page I, paragraph 9). Therefore it would have been obvious to one of ordinary skill in the art to modify the processing and evaluation unit of Grajeles et al. to include the capability of converting frequencies of different networks, as taught by Yang, in order to allow the two-way radio to communicate with different networks. By expanding the communication capability of the two-way radio, advantages would be evident to one of ordinary skill in the art such as improving the flexibility and range of use of the two-way radio.

Regarding claim 5, the invention of Grajales et al. is not limited to the type of sensor (page 3, paragraphs 25-27).

Regarding claim 6, Grajales et al. teaches that the sensor data can be downloaded by a public dispatch communications center.

One of ordinary skill in the art would recognize that these centers are equipped with displays that allow a worker of the center to view the downloaded sensor data.

Regarding claim 8, the limitations are rejected as applied to claim 1. Furthermore, it is well known in the art that two-way radios comprise "push to talk" buttons.

Regarding claim 9, Yang teaches that the same battery may be used to power both the main unit and the input/output interface (page 3, paragraph 23).

Regarding claims 16 and 17, Grajales et al. teaches that the sensors utilize wireless communications to network with the two-way radio (page 2, paragraph 18).

Regarding claim 18. Yang teaches that both the main unit and the input/output interface may be used as a standalone unit (page Form PCT/ISA/237 (Supplemental Box) (April 2005)

International application No. PCT/US05/40876

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

1, paragraph 5).

Claims 2-4, 7, 11-13, 15 and 20 lack an inventive step under PCT Article 33(3) as being obvious over the prior art as applied in the immediately preceding paragraph and further in view of Dempski (US 2004/0183751).

Regarding claims 2, 3, 4, 12, 13, 15, the combination of Grajales et al. and Yang discloses the limitations set forth in claim 1, but does not explicitly disclose a camera at the module. Dempski (US 2004/0183751) discloses a system and method for displaying data within view of a wearable camera worn by a human worker (abstract). In the scope of the invention, a camera is connected to a wearable computer, which includes a wireless transmitter and antenna for wireless connectivity to a computer network (page 1, paragraphs 9, 10 and figure 1). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the the combination of Grajales et al. and Yang to include a camera, as taught by Dempski, in order to monitor the movement of a user. This modification allows an outside entity to coordinate the movement of the user.

Regarding claim 7, Dempski teaches location monitoring of users wearing the system (page 4, paragraph 27).

Regarding claim 11, Dempski teaches that multiple user profiles may be stored for each individual (page 2, paragraph 19).

Regarding claim 20, the limitations lack an inventive step as applied to claim 7.

### PATENT COOPERATION TREATY

From the INTERNA	TIONAL SEARC	HING AUTHORI	TY			
To: DANIEL J. LONG BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 65 SPIT BROOK ROAD NASHUA, NH 03060			ECTRONIC	PCT  WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		
					(PCT Rule 43bis.1)	
]		·		Date of mailing	18 MAY 2007	
Applican	t's or agent's file	reference		(day/month/year) 18 MAY 2007 FOR FURTHER ACTION		
20040136	PCT		•		See paragraph 2 below	
Internatio	nal application N	o. Int	ernational filing date	(day/month/year)	Priority date (day/month/year)	
PCT/US0		10	November 2005 (10.1	1.2005)	10 November 2004 (10.11.2004)	
	nal Patent Classif	ication (IPC) or bo	th national classificati	on and IPC	(00000)	
IPC: USPC:	H04B 1/38( 2006 455/90.1	.01)	•			
Applicant			<del></del>			
BAE SYS	TEMS INFORM	ATION AND FLF	CTRONIC SYSTEM	S DITECTIATION	I DIO	
		——————————————————————————————————————	CIRONIC STSTEM	SINTEGRATION	INC.	
1. This o	opinion contains i	ndications relating	to the following item:	s:	,	
Box No. I Basis of the opinion				•		
	Box No. II Priority					
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$\boxtimes$	Box No. V	Reasoned stateme applicability; cita	ent under Rule 43 <i>bis.</i> I tions and explanation	(a)(i) with regard s supporting such	to novelty, inventive step or industrial statement	
	Box No. VI	Certain document			·	
	Box No. VII Certain defects in the international application					
	Box No. VIII	Certain observation	ons on the internations	al application		
2. <b>FUR</b> 7	THER ACTION	V				
If a de Interna Author	emand for interna ational Preliminar rity other than thi	tional preliminary y Examining Aut s one to be the IPI	NOTIEV ("IPEA") exc	Ept that this does	be considered to be a written opinion of the s not apply where the applicant chooses an he International Bureau under Rule 66.1bis(b) ered.	
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.						
3. For fur	ther details, see no	otes to Form PCT/I	SA/220.			
Name and r	Name and mailing address of the ISA/ US Date of completion of this opinion   Authorized officer					
M	ail Stop PCT, Attn: ommissioner for Pate	ISA/US				
P.0	O. Box 1450		11 April 2007 (11	.04.2007)	George Englacqueline A. Whitfield	
	exandria, Virginia 2 o. (571) 273-3201				Special Project Asst. Telephone No. 571-272-2600	
	m PCT/ISA/237 (cover short) (April 2005)					

International application No.
PCT/US05/40876

Box N	o. I Basis of this opinion
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Ø	the international application in the language is the international application and the internation and the international application and the international application and the international application and the internation and the international application and the internation and the i
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4 Additio	onal comments:
4. Addik	mai comments:
m PCT/I	SA/237(Box No. I) (April 2005)

International application No. PCT/US05/40876

Statement			
Novelty (N)	Claims	1-20	
		NONE	
Inventive step (IS)	Claims	NONE	
(3)	Claims		
Industrial applicability (IA)	O1 :		
meustrial applicability (IA)	Claims Claims	1-20 NONE	
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Citations and explanations:			
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International application No. PCT/US05/40876

Supplemental Box	<u> </u>
In case the space in any of the preceding boxes is not sufficient.	

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